600/502
128-3.06F 35
689

RODUCT DATA

BLOOD DENSITOMETERS • THERMISTORS • CARDIO NITROGEN GAS ANALYZERS *(Are All Available As Complete Recording Systems).*
RECORDERS • SURGICAL CAMERA • POWER SUPPLIES •
N-CUVETTES • MUSCLE STIMULATOR • SPECIAL INSTRUMENTATION

Rec'd Oct. 7. 1965

An advanced, flexible instrument for instantaneous heart rate measurement.

CT-200 CARDIOTACHOMETER

- Solid State
- Linear Direct Reading Scale
- Extra Wide Range
- Heart Rate And ECG Signal Offered Simultaneously
- Choice of ECG Electrode, Finger or Earpulse Pickup
- Low Cost, Compact, Portable
- Adapts To Most Recorders

The CT-200 is the newest model cardiotachometer produced by the oldest manufacturer of this type of equipment. This unit has an extra-wide rate range, from 40 to 360 beats per minute, which accommodates virtually every type of laboratory animal as well as the human subject.

The heart or pulse rate is instantaneously indicated directly in beats per minute on a dual scale meter. Individual heart beats also are indicated by an audible "Beep" signal which can be turned off. Every artifact or extrasystole can be indicated with an instantaneous "beat by beat" signal, or these can be damped out for routine monitoring, if desired. Outputs are provided to record both the heart rate and the electrocardiogram.

The standard model is equipped with three Tel-medic ECG electrodes and 9-foot cables. The CF-3 Photocell finger pulse pickup and CE-6 ear pulse pickup are available as optional features. They are interchangeable with the ECG electrodes and are insensitive to movement when placed on the subjects finger or ear. Special internal circuitry eliminates a.c. interference and provides a noise-free signal.

An integral circuit provides calibrating pulses on two scales one at 40 to 180 and the other at 180 to 360 beats per minute, enabling fast, accurate calibration of the pulse rate meter. The linearity, accuracy and other performance characteristics are shown on the reverse side of this sheet.

600/502

Bulletin CT200/65

NATION-WIDE FACTORY TRAINED REPRESENTATIVES

THE WATERS COMPANY
A DIVISION OF FLO-TRONICS, INC., MINNEAPOLIS

P. O. BOX 529
ROCHESTER
MINNESOTA
U.S.A.

507 282-3866
CABLE: WATCO

Printed in U.S.A.

CT-200 SPECIFICATIONS

Range:
Low ..... 40 to 180 beats/min.
High ..... 180 to 360 beats/min.

Sensitivity: ..... 400 microvolts

Linearity: ..... within 1%

Accuracy: ..... within 1%

Output Differential: (Across 840 ohms) (Heart Rate)
Low Range
(40 to 180 BPM) ... 0.0 Volts d.c. to 0.84 Volts d.c.
High Range
(180 to 360 BPM).. 0.0 Volts d.c. to 0.84 Volts d.c.

Input:
Voltage ..... 110 volts 60 cps
(other Inputs avail. at additional costs)
Power ..... 6 watts

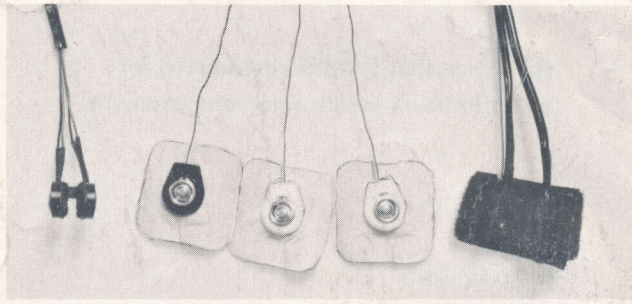
ECG Electrodes (standard)
Dimensions ..... 1½" square
Weight ..... 1/6 oz.

CF-3 Photocell Finger Pulse Pickup (optional)
Dimensions ..... 1 in x 4 in
Weight ..... .2 oz.

CE-6 Photocell Ear Pulse Pickup (optional):
Dimensions ..... ½ in x 1 in
Weight ..... .5 oz.

Cabinet Size: ..... 9½ in x 9½ in x 10 in

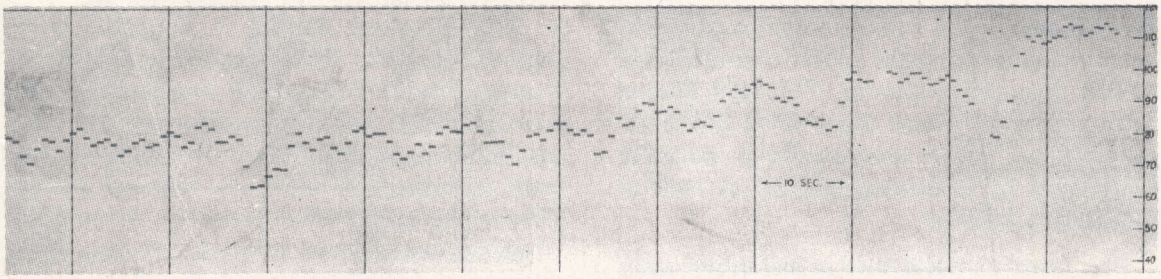
Weight: ..... 14 lbs.



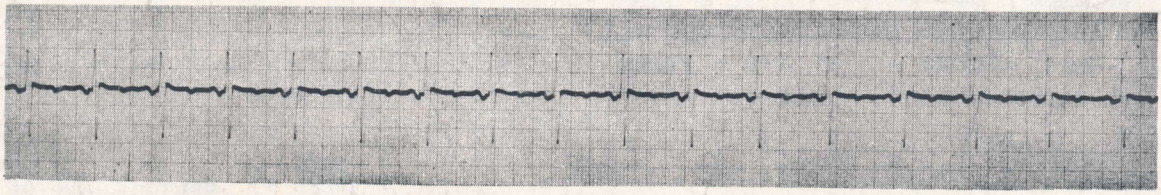
Close-up of CE-6 Earpulse Pickup (left), ECG Electrodes (center) and CF-3 Finger Pulse Pickup (right)

RECEIVED
OCT 7 1965
GROUP 4

RECORDS PRODUCED BY CT-200 CARDIOTACHOMETER



Instantaneous heart rate showing recovery from exercises as recorded by oscillograph.



ECG as recorded by high impedance recorder.

Printed in U.S.A.